

# CUBIT Capability Proposal

## Technical Area

Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

## Technical Lead

Cubit Developer in charge of technical area

**GUI**

**Randy Morris**

## MRD Description

Describe the capability in terms of how a user would see it.

**Provide a mesh-focused GUI mode**

## SRS Description

What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

1. Add a 'focus' menu item on the file menu line
2. Under 'focus', the user can select “standard” or “mesh”
3. Standard focus will be the current look
4. Mesh focus will show a mesh-centric GUI

## Justification

Describe why this is important and what impact it will have if it is implemented. (or not implemented).

A weak part of the current GUI has been the meshing panels and support. Some improvement has occurred due to the properties page and some other additions. But, Cubit should have a world-class interface for meshing. I'm proposing an easily accessed 'mode' where the GUI would transform into a meshing-centric GUI. All panels and tools would be focused on meshing and would be readily available. By focusing on meshing we could free up some current space occupied by other functionality. We already have the technology. We simply need to package it better.

We could do a similar thing for geometry if you think it is warranted.

## Resources

Who will work on this

## Time estimate

How much time will it take in man-weeks

## Targeted Release

10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

**Randy Morris**

**4-6 man weeks.**

**10.2**

## Submitted By:

**Randy Morris**

## Date:

**3/17/06**